

# ABSTRACT OF THE DISCLOSURE

Sorption agent and method for removing heavy metals from a gas containing heavy metal(s), with which a better removal rate of heavy metals from gases containing heavy metal(s) is made possible, and which can also be used in a broad temperature range. This is achieved in that the sorption agent contains at least one solid, which is a carrier material onto which at least one polysulfide is fixed and, in the case of the method, in which the gas containing heavy metal(s) is brought into contact with a sorption agent. A sorption agent is used that contains at least one solid, which is a carrier material onto which at least one polysulfide is fixed.